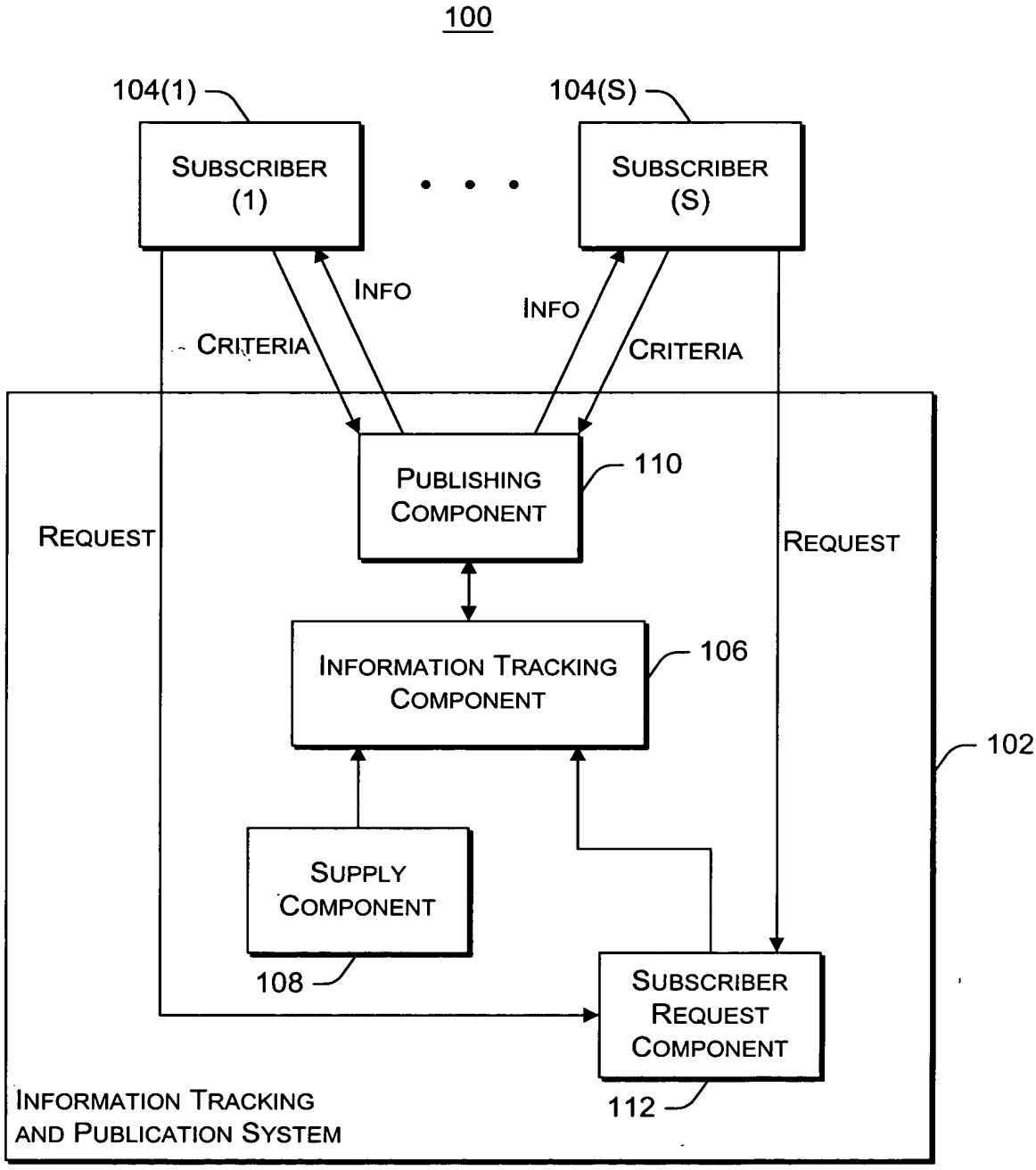
100
104(1)
104(S)
SUBSCRIBER (1)
SUBSCRIBER (S)
INFO
INFO
CRITERIA
CRITERIA
PUBLISHING COMPONENT
110
REQUEST
REQUEST
INFORMATION TRACKING COMPONENT
106
102
SUPPLY COMPONENT
108
SUBSCRIBER REQUEST COMPONENT
112
INFORMATION TRACKING AND PUBLICATION SYSTEM

Fig. 1

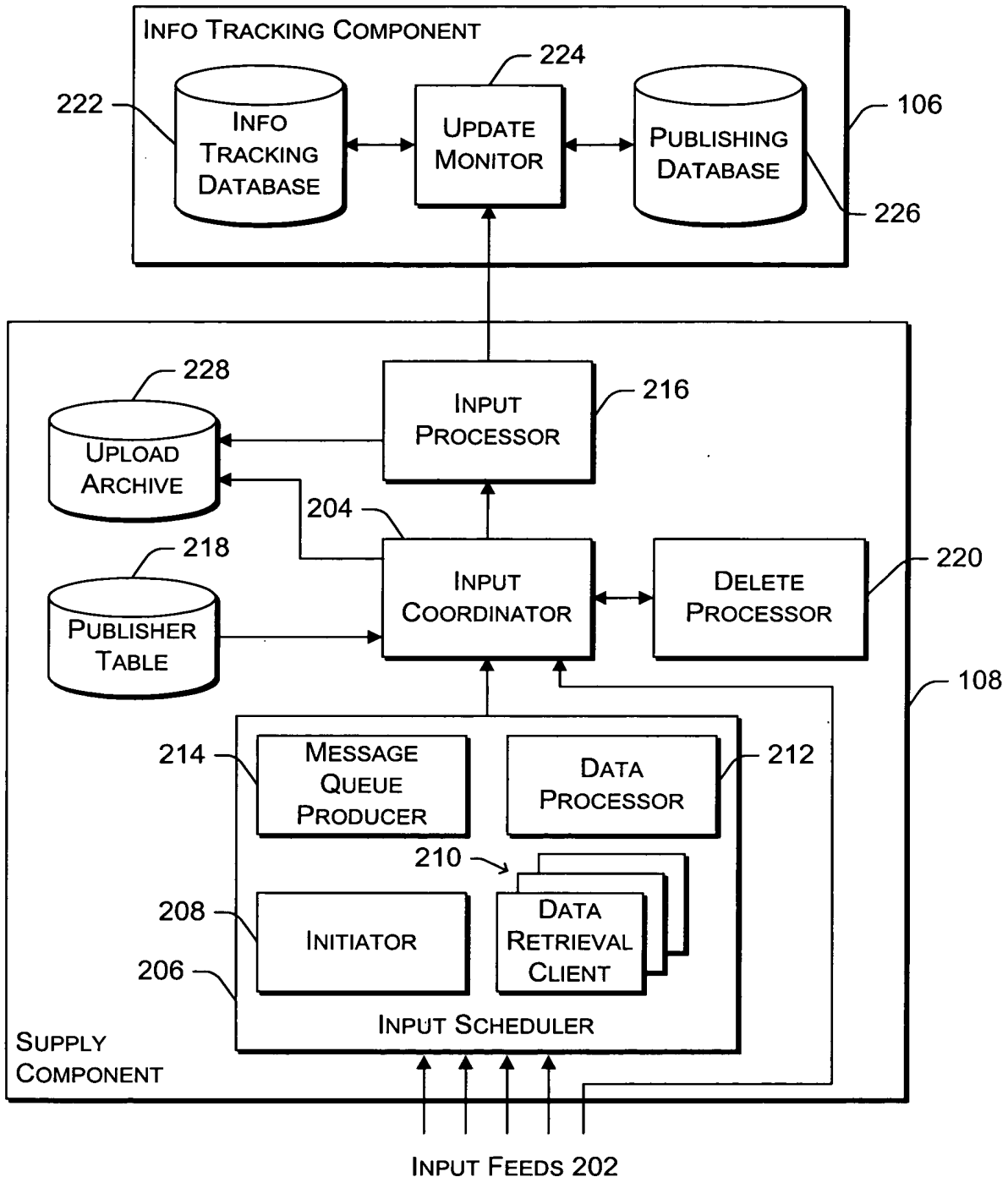
INFO TRACKING COMPONENT
224
222
INFO TRACKING DATABASE
UPDATE MONITOR
PUBLISHING DATABASE
106
226
228
INPUT PROCESSOR
216
UPLOAD ARCHIVE
204
218
INPUT COORDINATOR
DELETE PROCESSOR
220
PUBLISHER TABLE
108
214
MESSAGE QUEUE PRODUCER
DATA PROCESSOR
212
210
208
INITIATOR
DATA RETRIEVAL CLIENT
206
INPUT SCHEDULER
SUPPLY COMPONENT
INPUT FEEDS 202

Fig. 2

300

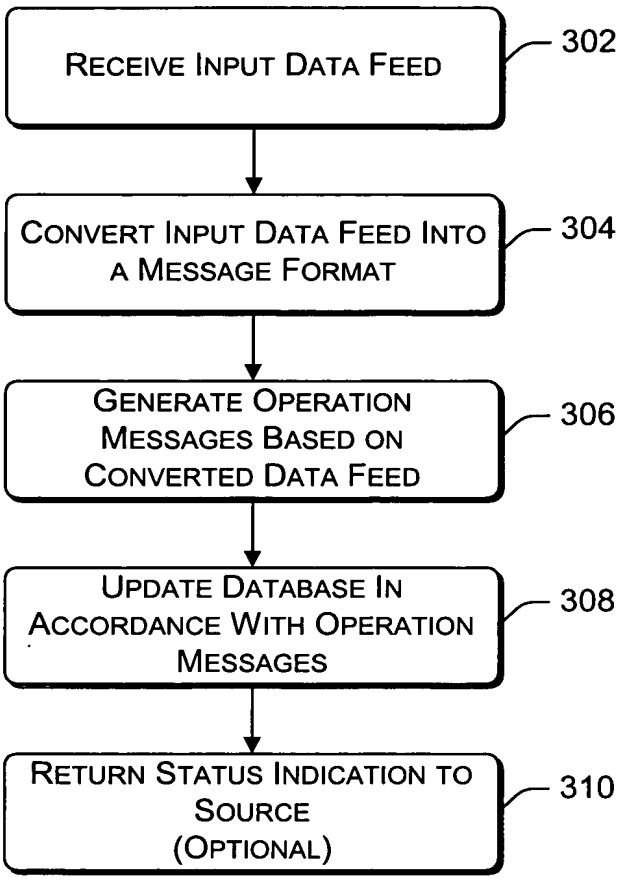
RECEIVE INPUT DATA FEED
302
CONVERT INPUT DATA FEED INTO A MESSAGE FORMAT
304
GENERATE OPERATION MESSAGES BASED ON CONVERTED DATA FEED
306
UPDATE DATABASE IN ACCORDANCE WITH OPERATION MESSAGES
308
RETURN STATUS INDICATION TO SOURCE (OPTIONAL)
310

Fig. 3

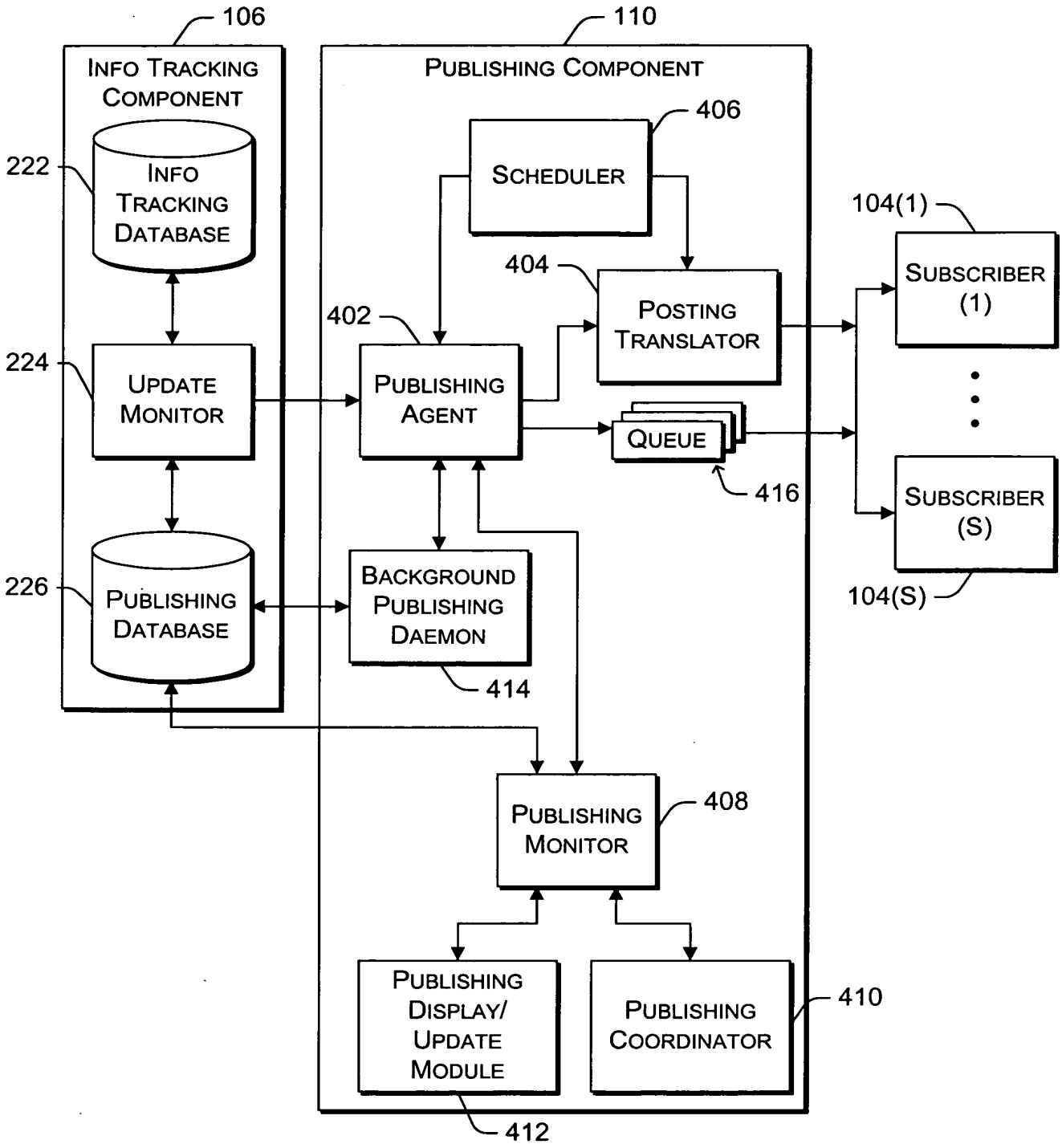
106
INFO TRACKING COMPONENT
222
INFO TRACKING DATABASE
224
UPDATE MONITOR
226
PUBLISHING DATABASE
110
PUBLISHING COMPONENT
406
SCHEDULER
404
POSTING TRANSLATOR
402
PUBLISHING AGENT
QUEUE
416
BACKGROUND PUBLISHING DAEMON
414
PUBLISHING MONITOR
408
PUBLISHING DISPLAY/ UPDATE MODULE
PUBLISHING COORDINATOR
410
412
104(1)
SUBSCRIBER (1)
SUBSCRIBER (S)
104(S)

Fig. 4

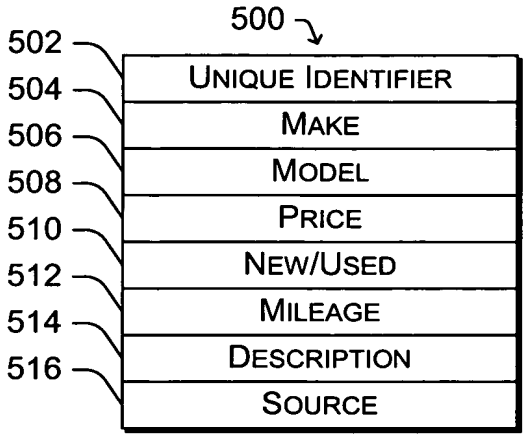
500
502
504
506
508
510
512
514
516
UNIQUE IDENTIFIER
MAKE
MODEL
PRICE
NEW/USED
MILEAGE
DESCRIPTION
SOURCE

Fig. 5

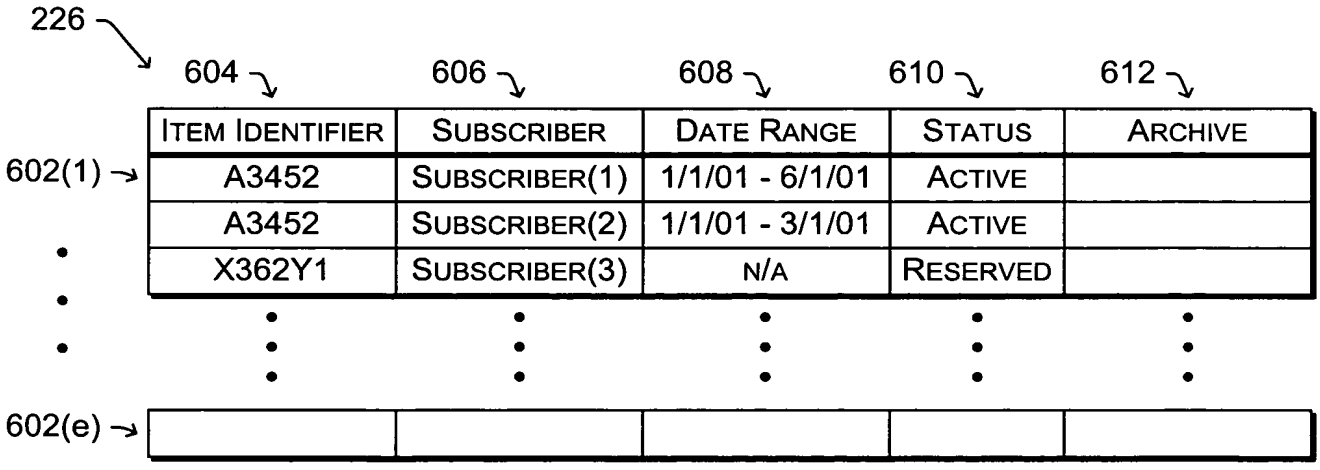
226
604
606
608
610
612
ITEM IDENTIFIER
SUBSCRIBER
DATE RANGE
STATUS
ARCHIVE
602(1)
A3452
SUBSCRIBER(1)
1/1/01 - 6/1/01
ACTIVE
A3452
SUBSCRIBER(2)
1/1/01 - 3/1/01
ACTIVE
X362Y1
SUBSCRIBER(3)
N/A
RESERVED
602(e)

Fig. 6

700

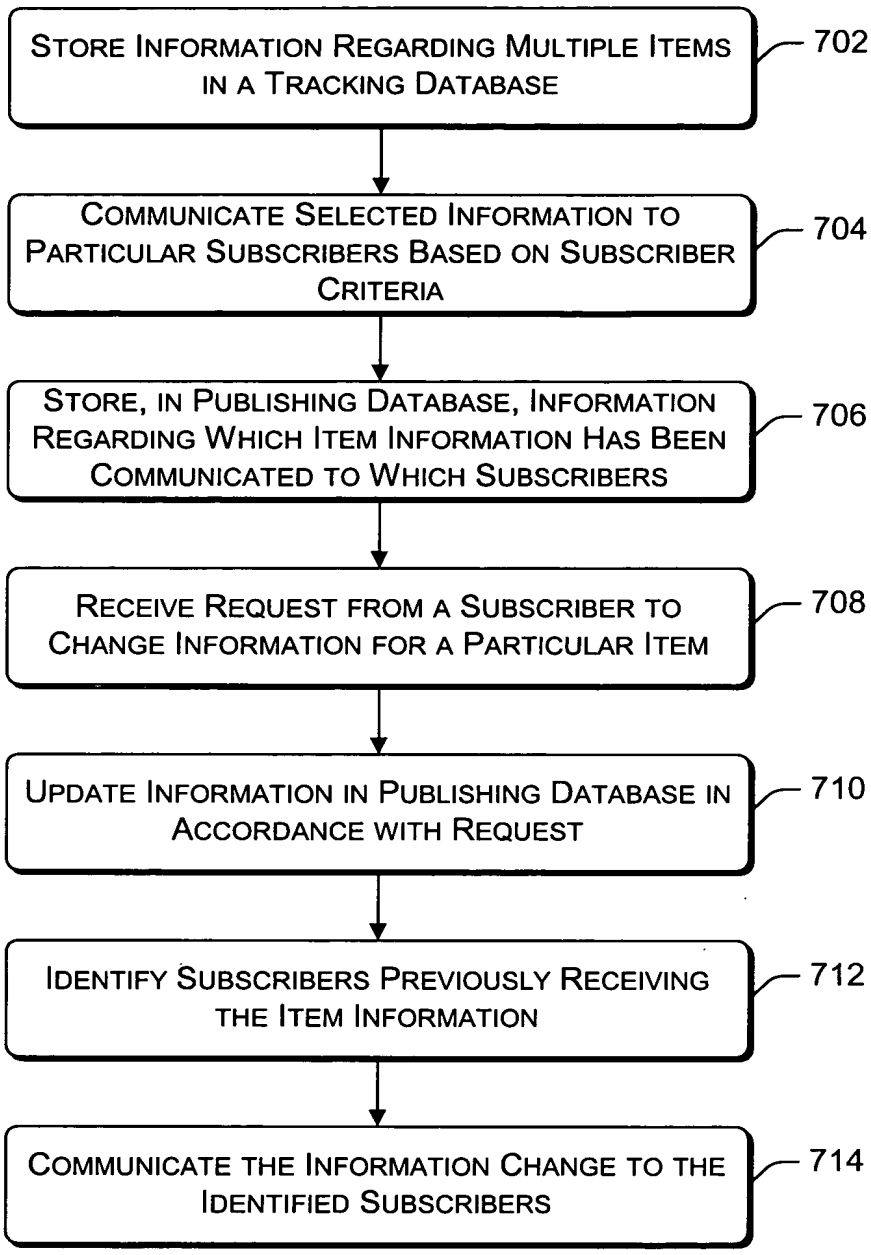
STORE INFORMATION REGARDING MULTIPLE ITEMS IN A TRACKING DATABASE
702
COMMUNICATE SELECTED INFORMATION TO PARTICULAR SUBSCRIBERS BASED ON SUBSCRIBER CRITERIA
704
STORE, IN PUBLISHING DATABASE, INFORMATION REGARDING WHICH ITEM INFORMATION HAS BEEN COMMUNICATED TO WHICH SUBSCRIBERS
706
RECEIVE REQUEST FROM A SUBSCRIBER TO CHANGE INFORMATION FOR A PARTICULAR ITEM
708
UPDATE INFORMATION IN PUBLISHING DATABASE IN ACCORDANCE WITH REQUEST
710
IDENTIFY SUBSCRIBERS PREVIOUSLY RECEIVING THE ITEM INFORMATION
712
COMMUNICATE THE INFORMATION CHANGE TO THE IDENTIFIED SUBSCRIBERS
714

Fig. 7

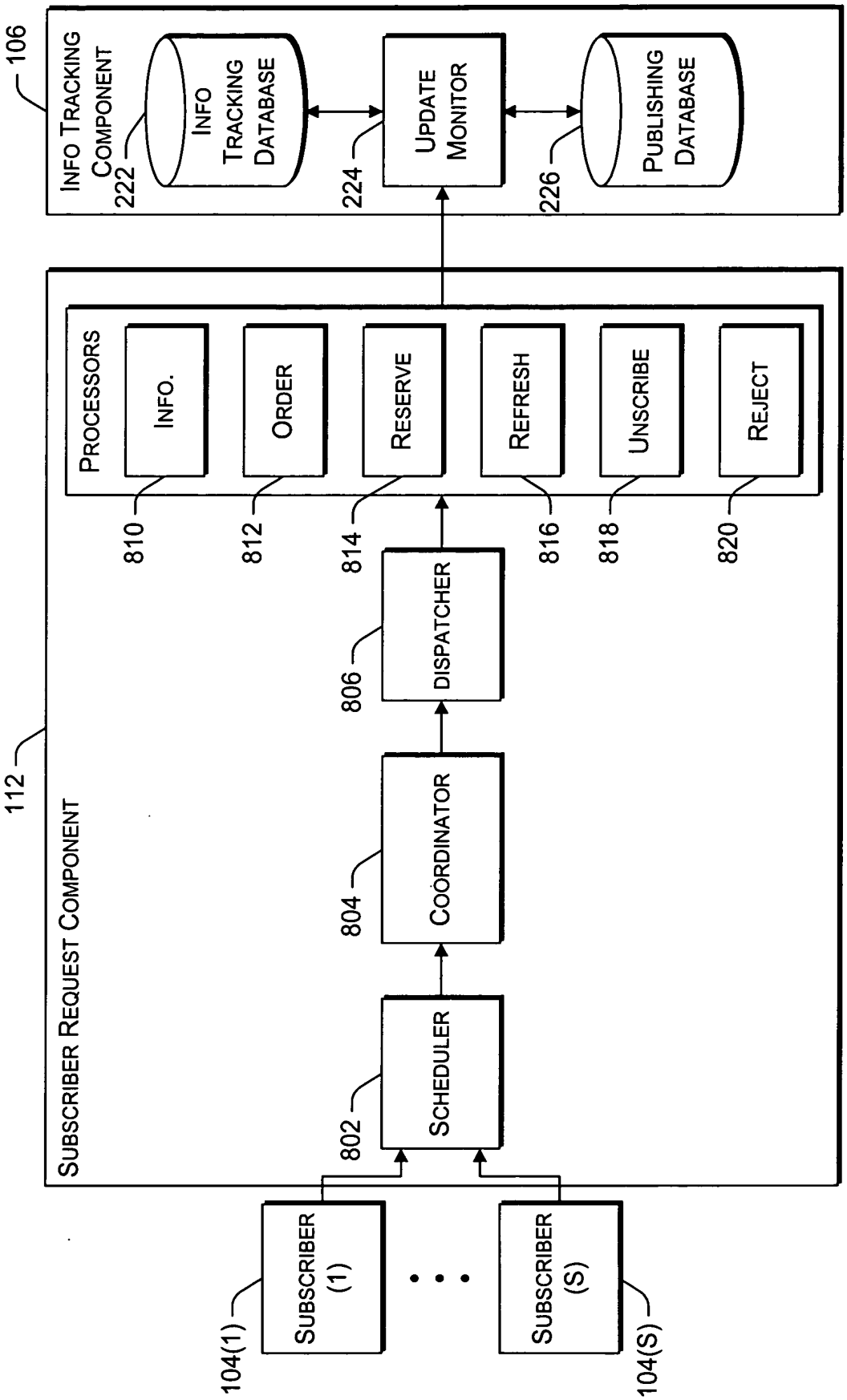
106
INFO TRACKING COMPONENT
222
INFO TRACKING DATABASE
224
UPDATE MONITOR
226
PUBLISHING DATABASE
112
SUBSCRIBER REQUEST COMPONENT
PROCESSORS
INFO.
ORDER
RESERVE
REFRESH
UNSCRIBE
REJECT
810
812
814
816
818
820
806
DISPATCHER
804
COORDINATOR
802
SCHEDULER
SUBSCRIBER (1)
SUBSCRIBER (S)
104(1)
104(S)

Fig. 8